

Title (en)
METHOD FOR MEASURING DRILLING FLUID PROPERTIES

Title (de)
VERFAHREN ZUR MESSUNG VON BOHRFLÜSSIGKEITSEIGENSCHAFTEN

Title (fr)
PROCÉDÉ DE MESURE DE PROPRIÉTÉS DE FLUIDE DE FORAGE

Publication
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Application
EP 17155219 A 20140312

Priority

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- US 201414203854 A 20140311
- EP 14718240 A 20140312
- US 2014024077 W 20140312

Abstract (en)

A method of measuring drilling fluid properties that includes pumping drilling fluid into a feed chamber (135) of a capillary rheometer (134), said feed chamber (135) comprising a cavity (135a, 135b) and a double wall (136) defining an annulus (140) that opens to said cavity (135a, 135b) and controlling a delivery rate of said drilling fluid into said feed chamber (135) during said pumping such that a first strain rate is imparted to said drilling fluid flowing through said capillary rheometer (134). The method further includes draining said drilling fluid from said cavity (135a, 135b) through at least one drain port (144) of said feed chamber (135) and into an inlet of a capillary tube (146) coupled to said at least one drain port (144), determining a flow rate and a pressure drop of said drilling fluid flowing through said capillary tube (146) for said first strain rate, and determining a viscosity of said drilling fluid from said flow rate and said pressure drop.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

- [A] US 2013025359 A1 20130131 - CARTELLIERI ANSGAR [DE], et al
- [A] US 6412337 B1 20020702 - ARZATE ALFA [CA], et al
- [A] WO 2012061872 A1 20120518 - MEZURX PTY LTD [AU], et al
- [A] US 6578409 B1 20030617 - ZHOU HONGGANG [FR], et al
- [A] US 2010139387 A1 20100610 - JAMISON DALE E [US], et al
- [A] EP 0007759 A1 19800206 - ATOMIC ENERGY AUTHORITY UK [GB]

Designated contracting state (EPC)
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